

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) An optical transmission and receiver module comprising:
  - at least one light emitting device for emitting light having a first wavelength which is to be incident on an optical transmission medium;
  - at least one light receiving device for receiving light emitted from said optical transmission medium and having a second wavelength different from the first wavelength;
  - an optical path routing element for converging the optical path of light having the first wavelength and the optical path of light having the second wavelength on the optical transmission medium side and for separating the optical path of light having the first wavelength on the side of said at least one light emitting device and the optical path of light having the second wavelength on the side of said at least one light receiving device in the directions of said at least one light emitting device and said at least one light receiving device, respectively; [[and]]
    - a lens transparent to both of light having the first wavelength and light having the second wavelength, the lens being provided between said optical transmission medium and said optical path routing element;
    - a pole for supporting the optical path routing element; and
    - a bench for mounting the pole;
    - wherein the pole is disposed in a space between the at least one light emitting device and the at least one light receiving device.

2. (Original) An optical transmission and receiver module according to claim 1, wherein the number of the light receiving devices is equal to the number of the light emitting devices.

3. (Original) An optical transmission and receiver module according to claim 1, wherein said optical path routing element comprises a transmission-reflection part which allows either of light having the first wavelength and light having the second wavelength to pass through said transmission-reflection part and which reflects the other light, and a reflection part which reflects said other light.

4. (Original) An optical transmission and receiver module according to claim 3, wherein said transmission-reflection part is provided with a multilayer film made of a dielectric material.

5. (Original) An optical transmission and receiver module according to claim 1, wherein said optical path routing element allows light of the first wavelength emitted from said at least one light emitting device to pass through said optical path routing element, and changes the optical path of light having the second wavelength so as to be led to said at least one light receiving device.

6. (Currently amended) An optical transmission and receiver module according to claim 1, wherein said optical path routing element changes the optical path of light having the first wavelength emitted from said at least one light emitting device so as to be led to said optical transmission medium, and allows light having the second wavelength input to said at least one light receiving device to pass through said optical path routing element.

7. (Original) An optical transmission and receiver module according to claim 1, further comprising a monitoring light receiving device.

8. (Original) An optical transmission and receiver module according to claim 1, further comprising an amplifier for amplifying the output of said at least one light receiving device.

9. (Currently amended) An optical transmission and receiver module according to claim 1, further comprising ~~÷ a pole for supporting said optical path routing element; a bench for mounting said pole; and~~ a cap for covering said pole and said bench ~~mounting part~~ such that said at least one light emitting device, said at least one light receiving device, and said optical path routing element are accommodated therein,

wherein said lens is provided in said cap such that the central axis of said lens coaxially coincides with the optical axis of said optical transmission medium.

10. (Currently amended) An optical transmission and receiver module according to claim 3, further comprising ~~÷ a pole for supporting said optical path routing element; a mounting part provided with said pole; and~~ a cap for covering said pole and said bench ~~mounting part~~ such that said at least one light emitting device, said at least one light receiving device, and said optical path routing element are accommodated therein,

wherein said lens is provided in said cap so that the central axis of said lens coaxially coincides with the optical axis of said optical transmission medium.

11. (Currently amended) An optical transmission and receiver module according to claim 5, further comprising ~~÷ a pole for supporting said optical path routing element; a mounting part provided with said pole; and~~ a cap for covering said pole and said bench ~~mounting part~~ such that said at least one light emitting device, said at least one light receiving device, and said optical path routing element are accommodated therein,

wherein said lens is provided in said cap so that the central axis of said lens coaxially coincides with the optical axis of said optical transmission medium.

12. (Currently amended) An optical transmission and receiver module according to claim 6, further comprising ~~:- a pole for supporting said optical path routing element; a mounting part provided with said pole; and~~ a cap for covering said pole and said mounting part such that said at least one light emitting device, said at least one light receiving device, and said optical path routing element are accommodated therein,

wherein said lens is provided in said cap so that the central axis of said lens coaxially coincides with the optical axis of said optical transmission medium.

13. (Currently amended) An optical transmission and receiver module according to claim 1, further comprising a coupling part capable of establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

14. (Currently amended) An optical transmission and receiver module according to claim 3, further comprising a coupling part for establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

15. (Currently amended) An optical transmission and receiver module according to claim 5, further comprising a coupling part for establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

16. (Currently amended) An optical transmission and receiver module according to claim 6, further comprising a coupling part for establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

17. (Currently amended) An optical transmission and receiver module according to claim 9, further comprising a coupling part for establishing ~~optically~~ optical with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

18. (Currently amended) An optical transmission and receiver module according to claim 10, further comprising a coupling part for establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

19. (Currently amended) An optical transmission and receiver module according to claim 11, further comprising a coupling part for establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.

20. (Currently amended) An optical transmission and receiver module according to claim 12, further comprising a coupling part for establishing ~~optically~~ optical coupling with an exterior unit, wherein said coupling part comprises a ferrule with an optical fiber, and a sleeve for holding said ferrule.